

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 – 19. (cancelled)

20. (previously presented): A recuperator comprising:

- a. a laterally thermally expandable core having a variable size, a core inlet and a core outlet;
- b. a support structure having a shell with opposing ends, an upper strongback, a lower strongback, a set of tie rods, wherein the core is received in the shell, wherein the upper strongback and lower strongback are positioned on the opposing ends of the shell, wherein the upper strongback and the lower strongback are connected with the set of tie rods;
- c. a mount positioned between the core and the support structure adjacent the outlet of the core, wherein the mount comprises a pin and a receiver, wherein the pin is attached to the support structure and wherein the receiver is defined in the core, wherein the receiver receives the pin to restrain the core, wherein the mount restrains the core such that the core varies in size laterally away from and towards the mount; and
- d. a deformable connector attached to the core inlet such that the deformable connector and the core inlet are in fluid communication as the core varies in size.

21. (new): The recuperator of claim 20, wherein the core inlet is a lower temperature fluid inlet and the core outlet is a higher temperature fluid outlet.

22. (new): The recuperator of claim 20, wherein the deformable connector is selected from the group of a bellows, a flexible hose, and a braided metal hose.

23. (new): The recuperator of claim 20, wherein the pin is attached to the support structure by one from the group of a weld, a brazing and an adhesive.

24. (new): The recuperator of claim 20, further comprising a substantially rigid connector positioned such that the deformable connector and the core outlet are in fluid communication.